

FIG. 1

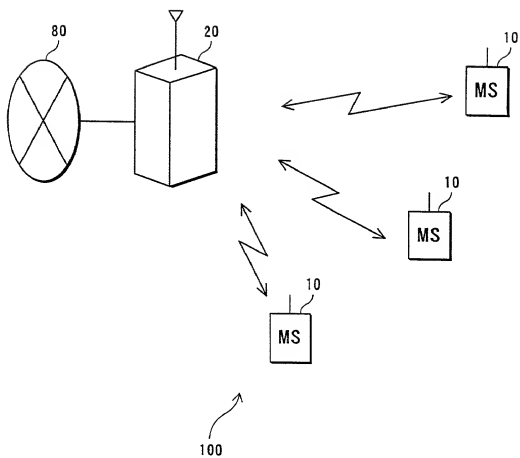


FIG. 2

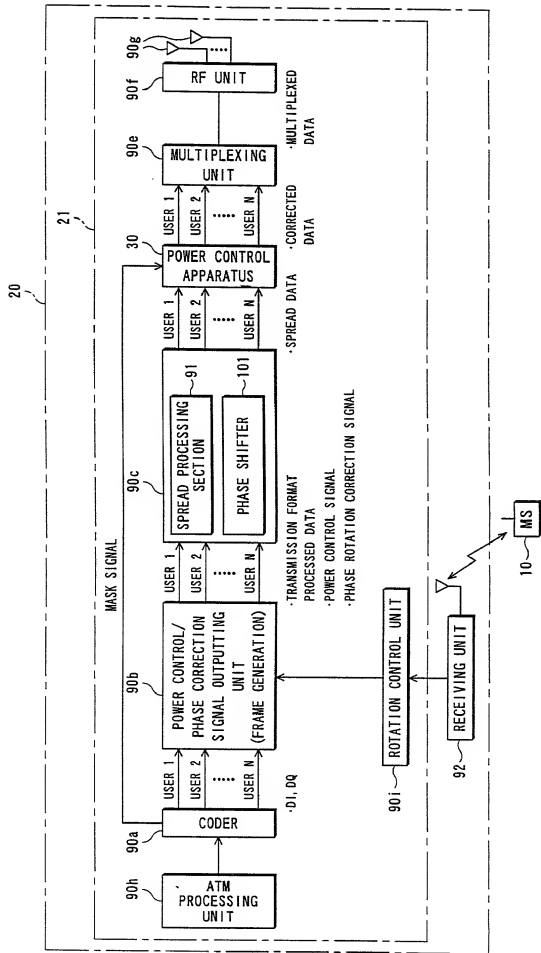


FIG. 3

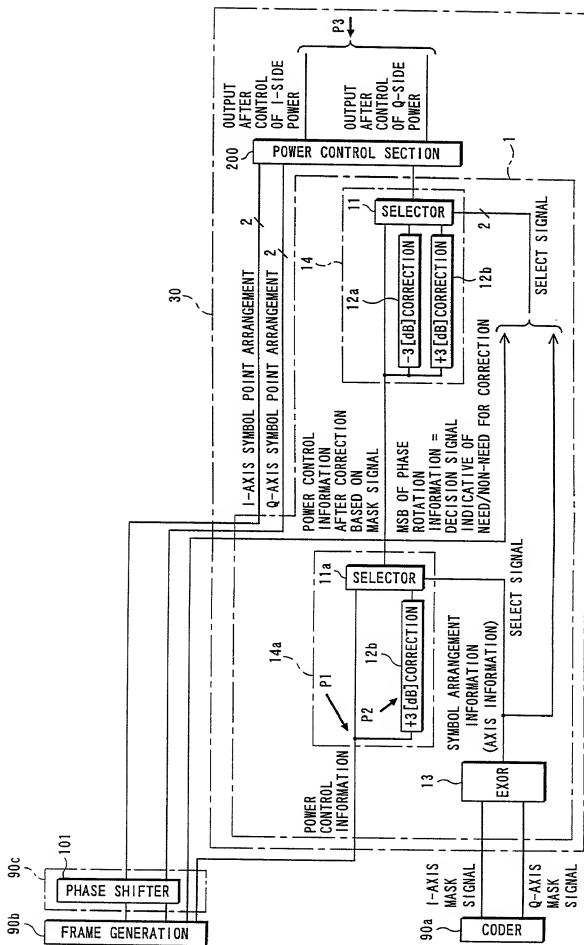


FIG. 4

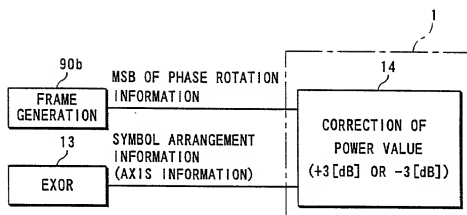


FIG. 5

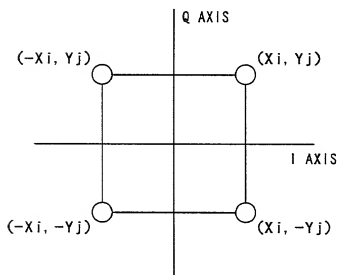
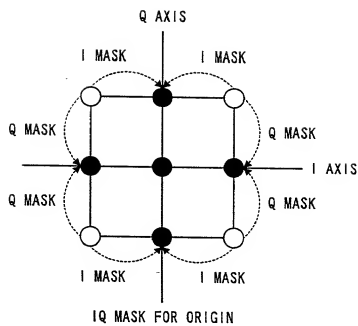


FIG. 6



[illegible][illegible][illegible][illegible]

FIG. 9

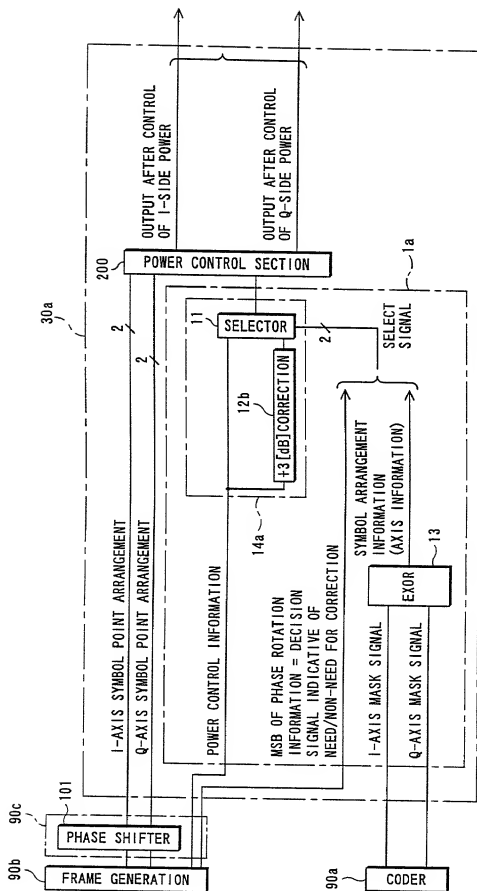


FIG. 10

CASE	CORRECTION BASED ON NINE-POINT CONSTELLATION (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT ( ○ )	0[dB]	NON-CONDUCTED	0[dB]	0[dB]
b	PRESENT ( ● )	+3[dB]	NON-CONDUCTED	0[dB]	+3[dB]
c	ABSENT ( ○ )	0[dB]	CONDUCTED	+3[dB]	+3[dB]
d	PRESENT ( ● )	+3[dB]	CONDUCTED	-3[dB]	0[dB]



FIG. 11A

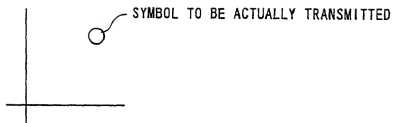


FIG. 11B

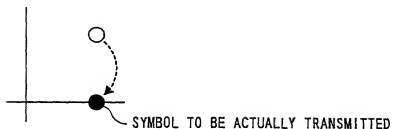


FIG. 11C

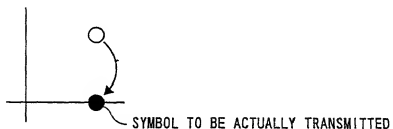
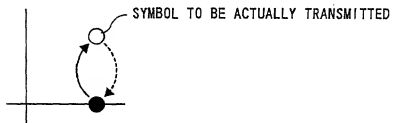


FIG. 11D



- COMMON QPSK SYMBOL  
● MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION  
-----> SHIFT OF SYMBOL POINT BY MASK SIGNAL  
—————> SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 12

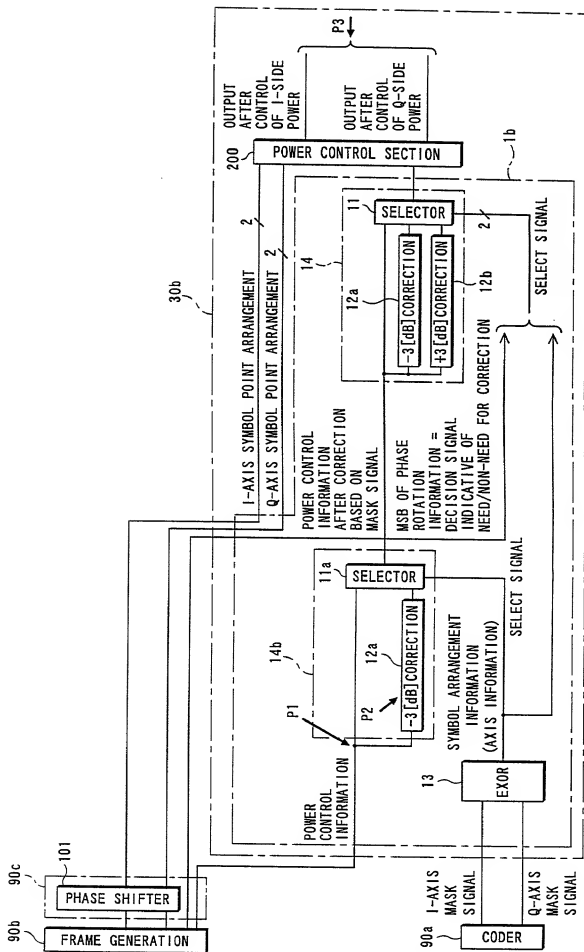


FIG. 13

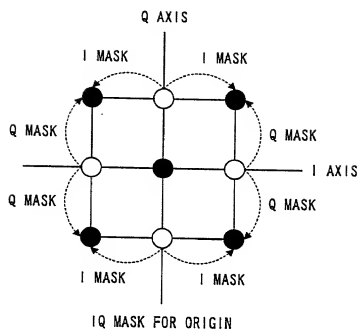


FIG. 14

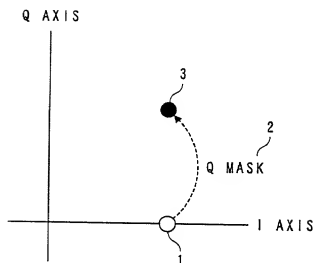


FIG. 15

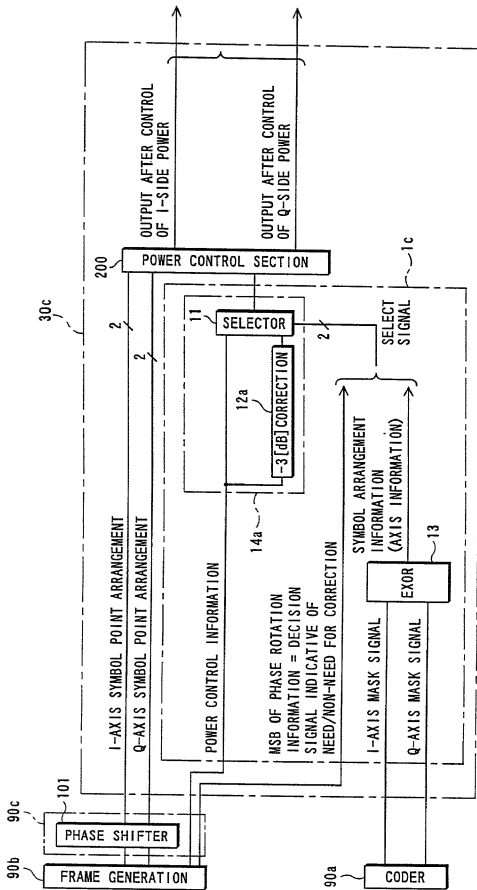


FIG. 16

CASE	CORRECTION BASED ON NINE-POINT CONSTELLATION (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT ( ○ )	0 [dB]	NON-CONDUCTED	0 [dB]	0 [dB]
b	PRESENT ( ● )	-3 [dB]	NON-CONDUCTED	0 [dB]	-3 [dB]
c	ABSENT ( ○ )	0 [dB]	CONDUCTED	-3 [dB]	-3 [dB]
d	PRESENT ( ● )	-3 [dB]	CONDUCTED	+3 [dB]	0 [dB]

FIG. 17A

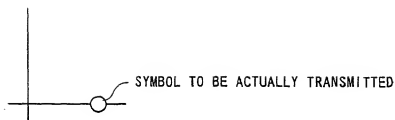


FIG. 17B

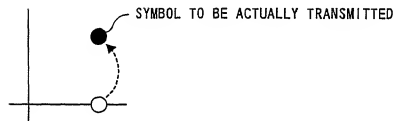


FIG. 17C

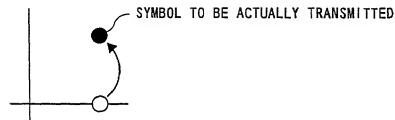
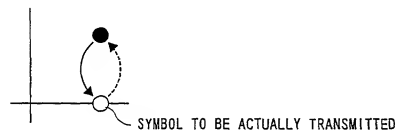


FIG. 17D



- COMMON QPSK SYMBOL
- MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION
- > SHIFT OF SYMBOL POINT BY MASK SIGNAL
- > SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 18

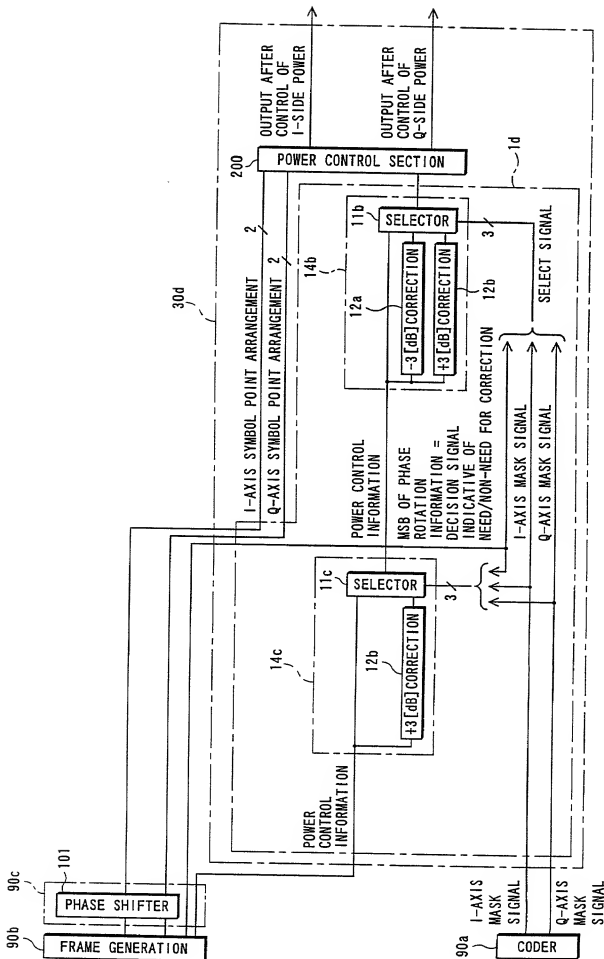


FIG. 19

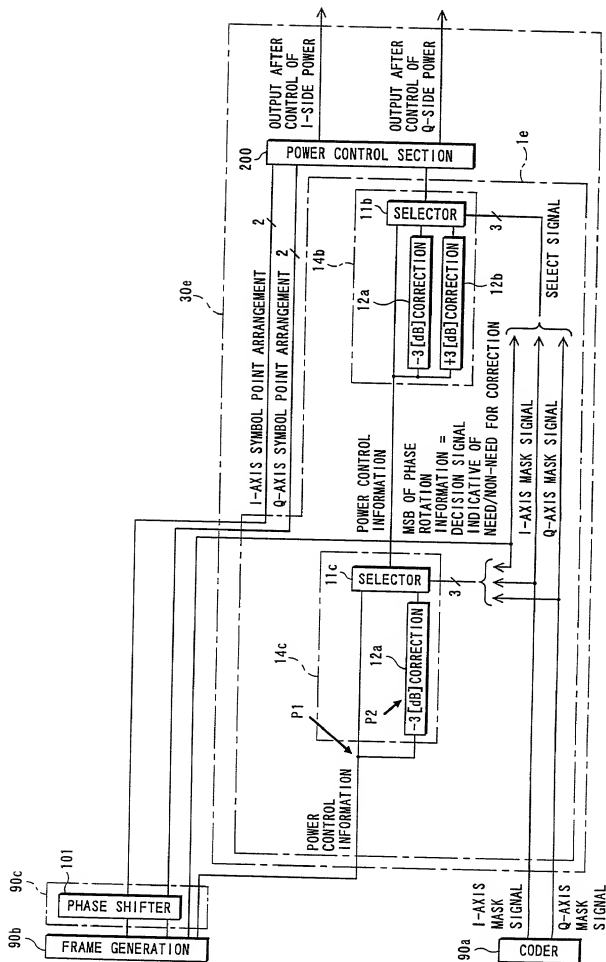




FIG. 20

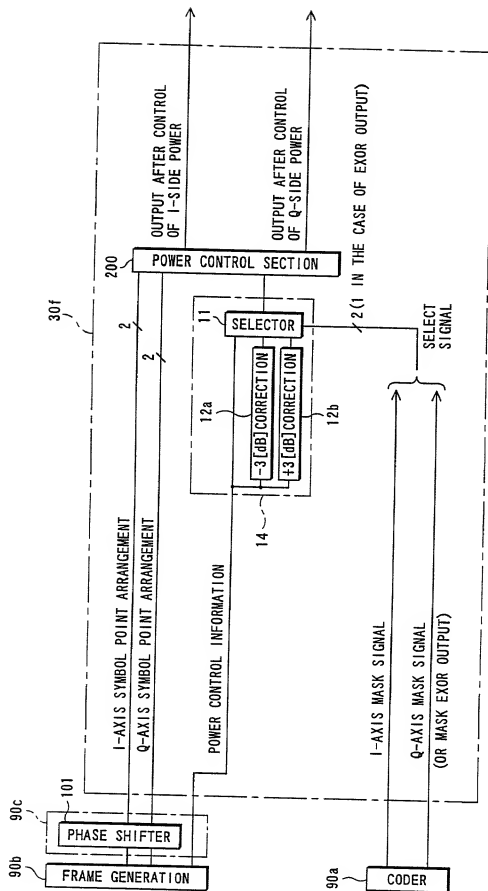


FIG. 21

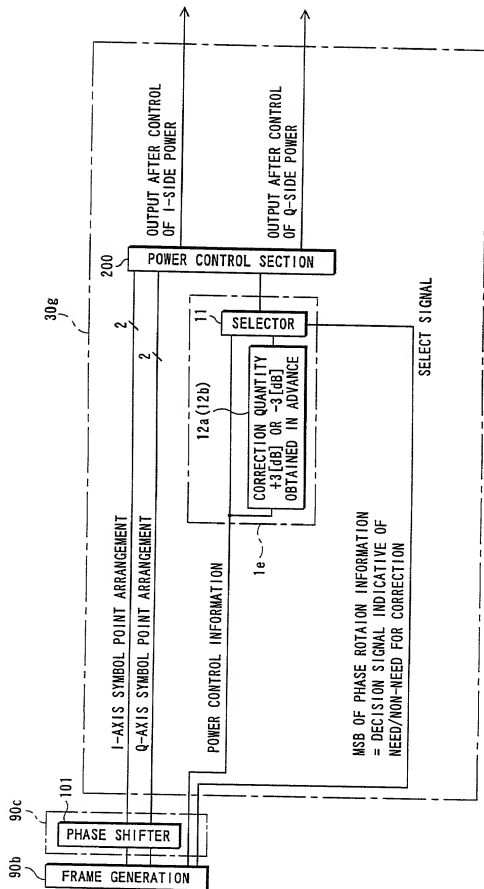


FIG. 22

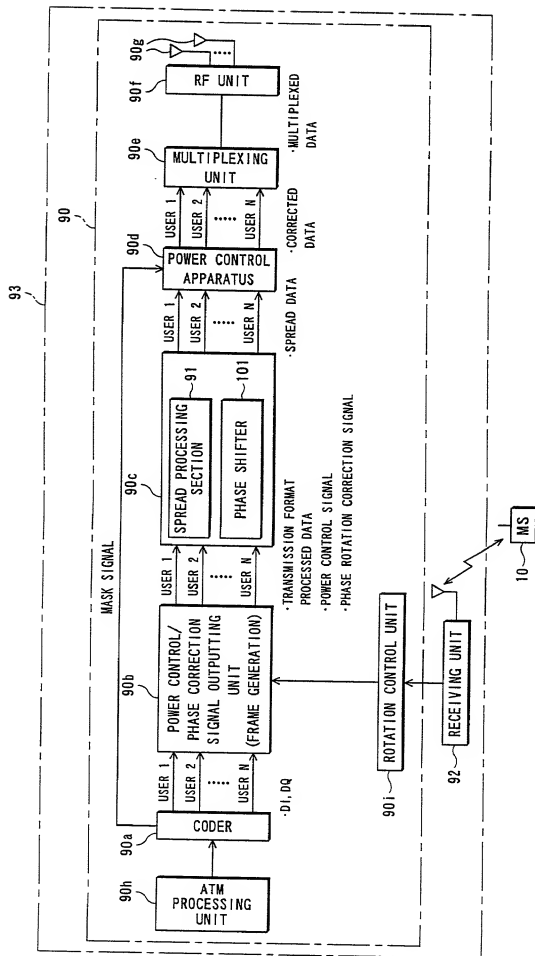


FIG. 23

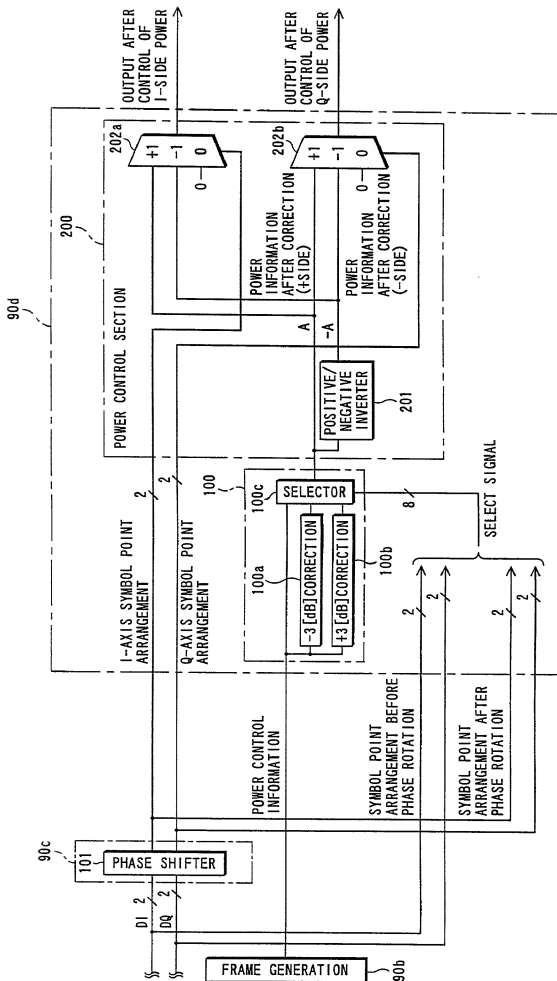


FIG. 24

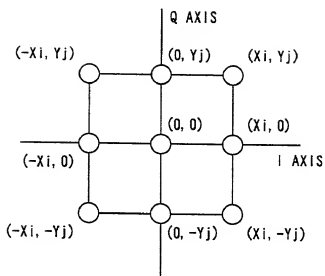


FIG. 25A

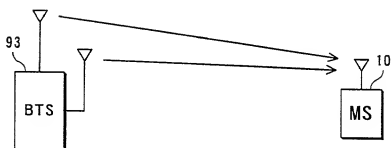


FIG. 25B

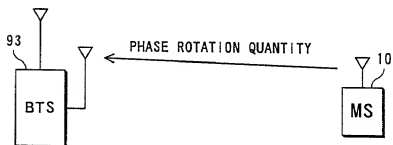


FIG. 26

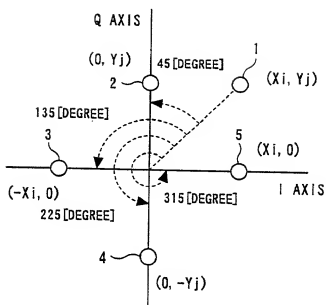


FIG. 27

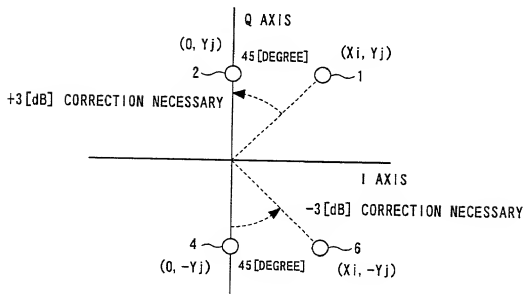


FIG. 28

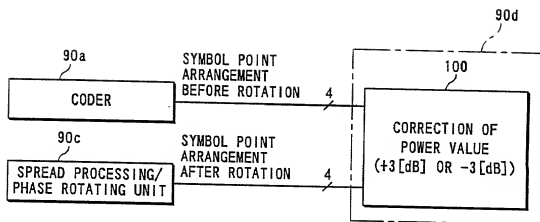


FIG. 29A

DI AND DQ  
TO BE TRANSMITTED

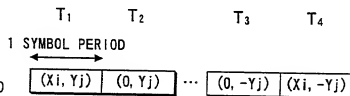


FIG. 29B

AMPLITUDES OF  
DI AND DQ

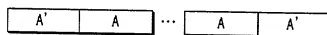


FIG. 29C

AMPLITUDE IN  
TRANSMISSION STATE

